



Gp#2171

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PTO/SB/21 (08-00)  
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<b>TRANSMITTAL FORM</b> <i>(to be used for all correspondence after initial filing)</i>	<b>Application Number</b>	10/610,504
	<b>Filing Date</b>	Jun 30, 2003
	<b>First Named Inventor</b>	Rivers-Moore
	<b>Group Art Unit</b>	2171
	<b>Examiner Name</b>	
<b>Total Number of Pages in This Submission</b>		<b>Attorney Docket Number</b> MS1-1408US

ENCLOSURES (check all that apply)		
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<b>Remarks</b>		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT	
Firm or Individual name	Bradley K. DeSandro, Reg. No. 34,521
Signature	
Date	12/19/2003

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I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on this date: _____	
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1 IN THE UNITED STATES PATENT AND TRADEMARK OFFICE  
2 Serial No. .... 10/610,504  
3 Filing Date ..... Jun 30, 2003  
4 Inventorship ..... Rivers-Moore  
Applicant ..... Microsoft Corporation  
Attorney's Docket No. .... MS1-1408US  
Title: Declarative Solution Definition

6  
7 **INFORMATION DISCLOSURE STATEMENT**

8 *References -- See Attached Form PTO-1449*


9 **REMARKS**

10 The citations listed, copies attached, are submitted in compliance with the  
11 duty of disclosure defined in 37 CFR §1.56. The Examiner is requested to make  
12 these citations of official record in this application.

13 The Commissioner is hereby authorized to charge payment of fees or credit  
14 overpayments to Deposit Account No. 12-0769 as set forth in 37 CFR §1.17(p).

15 Respectfully Submitted,

16  
17 Date: 12/19/2003

18 By:   
Bradley K. DeSandro  
Reg. No. 34,521

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*(use as many sheets as necessary)*

Sheet	1	of	4
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Application Number	10/610,504
Filing Date	Jun 30, 2003
First Named Inventor	Rivers-Moore
Group Art Unit	2171
Examiner Name	

Attorney Docket Number	MS1-1408US
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FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T6
		Office <sup>3</sup>	Number <sup>4</sup> <i>(if known)</i>				
			WO 99/56207		INTERVU, INC.	11/04/1999	
			EP 0 841 615 A2		INT COMPUTERS LTD	05/13/1998	
			WO 99/24945		KONINKLIJKE PHILIPS	05/20/1999	
			EP 1 076 290 A2		SUN MICROSYSTEMS	02/14/2001	
			WO 01/44934 A1		SUN MICROSYSTEMS	06/21/2001	
			EP 0 961 197		HEWLETT PACKARD	12/01/1999	

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<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

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Substitute for form 1449B/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet **2** of **4**

### Complete if Known

Application Number	10/610,504
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First Named Inventor	Rivers-Moore
Group Art Unit	2171
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Attorney Docket Number	MS1-1408US

### NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		RICHARD SCOTT HALL, "Agent-based Software Configuration and Deployment," Thesis of the University of Colorado, Online, 31 December 1999, retrieved from the Internet on 11/7/2003: <http://www.cs.colorado.edu/users/rickhall/documents/ThesisFinal.pdf>, 169 pages.	
		ARTHUR VAN HOFF et al., "The Open Software Description Format," Online, 13 August 1997, retrieved from the Internet on 11/7/2003: <http://www.w3.org/TR/NOTE-OSD>, 11 pages.	
		NETSCAPE COMMUNICATIONS CORP., "SmartUpdate Developer's Guide," Online, 11 March 1999, retrieved from the Internet on 12/08/2000: <http://developer.netscape.com:80/docs/manuals/communicator/jarman/index.htm>, 83 pages.	
		LINNEA DAYTON and JACK DAVIS, "Photo Shop 5/5.5 WOW! Book," 2000, Peachpit Press, pp. 8-17.	
		SARA WILLIAMS and CHARLIE KINDEL, "The Component Object Model: A Technical Overview," October 1994, Microsoft Corp., pp. 1-14.	
		VARLAMIS et al., "Bridging XML-Schema and relational databases. A system for generating and manipulating relational databases using valid XML documents," DocEng '01, Nov. 9-10, 2001, Copyright 2001, ACM 1-58113-432-0/01/0011, pages 105-114.	
		HARDY et al., "Mapping and Displaying Structural Transformations between XML and PDF," DocEng '02, Nov. 8-9, 2002, Copyright 2002, ACM 1-58113-594-7/02/0011, pages 95-102.	
		KIM et al., "Immediate and Partial Validation Mechanism for the Conflict Resolution of Update Operations in XML Databases," WAIM 2002, LNCS 2419, 2002, pages 387-396, Springer-Verlag Berlin Heidelberg 2002.	
		CHUANG, T., "Generic Validation of Structural Content with Parametric Modules," ICFP '01, Sept. 3-5, 2001, Copyright 2001, ACM 1-58113-415-0/01/0009, pages 98-109.	
		CHEN et al., "Designing Valid XML Views," ER 2002, LNCS 2503, 2002, Springer-Verlag Berlin Heidelberg 2002, pages 463-477.	
		CHEN et al., "XKvalidator: A Constraint Validator for XML," CIKM '02, Nov. 4-9, 2002, Copyright 2002, ACM 1-58113-492-4/02/0011, pages 446-452.	

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		WILLIAM BROGDEN, "Arbortext Adept 8 Editor Review," O'Reilly XML.COM, 'Online! 9/22/1999) XP002230080, retrieved from the Internet <URL:http://www.xml.com/pub/a/1999/09/adept/AdeptRvw.htm>, retrieved on 2/5/03.	
		LIOA ALSCHULER, "A tour of XMetal" O'Reilly XML.COM, 'Online! 7/14/1999, XP002230081, retrieved from the Internet: <URL:http://www.xml.com/pub/a/SeyboldReport/ip031102.html>, retrieved on 2/5/03.	
		ARI DAVIDOW, "XML Editors: Allegations of Functionality in search of reality," INTERNET, 'Online! 1999, XP002230082, retrieved from the Internet, <URL:http://www.ivritype.com/xml/>.	
		STEVEN A. BATTLE, et al., "Flexible Information Presentation with XML", 1998, The Institution of Electrical Engineers, 6 pages.	
		PAOLO CIANCARINI, et al., "Managing Complex Documents Over the WWW: A Case Study for XML", IEEE Transactions on Knowledge and Data Engineering, Vol. 11, No. 4, July/August 1999, pages 629-638.	
		HIROTAKE KANEMOTO, et al., "An Efficiently Updatable Index Scheme for Structured Documents", 1998 IEEE, pages 991-996.	
		TOMMIE USDIN, et al., "XML: Not a Silver Bullet, But a Great Pipe Wrench", Standardview Vol. 6, No. 3, September 1998, pages 125-132.	
		SUPOJ SUTANTHAVIBUL, et al., "XFIG Version 3.2 Patchlevel 2(July 2, 1998) Users Manual (Edition 1.0)", INTERNET DOCUMENT, [Online] 2 July 1998, XP002229137 Retrieved from the Internet: <URL:http://www.ice.mtu.edu/online_docs/xfig332/> [retrieved on 2003-01-28]	
		"Architecture for a Dynamic Information Area Control", IBM Technical Disclosure Bulletin, IBM Corp. New York, US, Vol. 37, No. 10, 1/10/1994, pp. 245-246.	
		IRENE AU & SHUANG LI, "Netscape Communicator's Collapsible Toolbars," CHI '98, Human Factors in Computing Systems, Conference Proceedings, Los Angeles, CA, 4/18-23/1998, pp. 81-86.	
		NETSCAPE COMMUNICATION CORPORATION: "Netscape Communicator 4.61 for OS/2 Warp" Software, 1999, The whole software release & "Netscape - Version 4.61 [en] - 010615" NETSCAPE SCREENSHOT, 2 October 2002 (2002-10-02)	

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		ROGGE et al., "Validating MPEG-21 Encapsulated Functional Metadata," IEEE 2002, pages 209-212.	
		NELSON, "Validation with MSXML and XML Schema," Windows Developer Magazine, Jan. 2002, pages 35-38.	
		CHIEN et al., "XML Document Versioning," SIGMOD Record, Vol. 30, No. 3, Sept. 2001, pages 46-53.	
		WONG et al., "Managing and Querying Multi-Version XML Data with Update Logging," DocEng '02, Nov. 8-9, 2002, Copyright 2002, ACM 1-58113-594-7/02/0011, pages 74-81.	
		CHIEN et al., "Efficient schemes for managing multiversionXML documents", VLDB Journal (2002), pages 332-353.	
		CHIEN et al., "Efficient Management of Multiversion Documents by Object Referencing," Proceedings of the 27th VLDB Conference, 2001, pages 291-300.	
		CHIEN et al., "Storing and Querying Multiversion XML Documents using Durable Node Numbers," IEEE 2002, pages 232-241.	
		DYCK, T., "XML Spy Tops as XML Editor," <a href="http://www.eweek.com/article2/0,3959,724041,00.asp">http://www.eweek.com/article2/0,3959,724041,00.asp</a> , Nov. 25, 2002, 4 pages.	
		"Netscape window" NETSCAPE SCREENSHOT, 2 October 2002 (2002-10-02)	
		JAN-HENRICK HAUKELAND: "Tsbiff - tildeslash biff - - version 1.2.1" INTERNET DOCUMENT, [Online] June 1999, URL: <a href="http://web.archive.org/web/19990912001527/http://www.tildeslash.com/tsbiff/">http://web.archive.org/web/19990912001527/http://www.tildeslash.com/tsbiff/</a>	

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